CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Lab No. CTC/II/ BBMP/KGHG/WC No.15/CSR-03/586e/CC Solid Block/2017-18 12.03.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF SOLID CONCRETE BLOCKS

* Customer	:	**Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore
* Agency	:	**Mr. K.G. Honne Gowda** #1279, 9th Main, 2nd Stage, Nagapura Road, Bangalore
* Name of Work	:	Construction of public toilet near NH 1st main Kempegowda Nagara Strom Water Drain in Ward No.15 T. Dasarahalli Zone, BBMP, Bangalore.
* Reference	:	EE/DD/WO/120/2016-17 Dated : 28.01.2017
Technical Reference	:	IS: 2185 (Part-1) - 2005 (RA-2010)
Size of Blocks	:	400mm x 150mm x 200mm
Cross Sectional Area	:	60000 mm^2
No. of Blocks Tested	:	08
Sample Received on	:	08.03.2018
Date of Testing	:	12.03.2018

Sl.No	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS: 2185 (Part-1) - 2005 (RA-2010)
1	Block 1	26.35	213.7	3.56	Minimum required Compressive Strength of Individual Unit 3.20 N/mm^2
2	Block 2	24.12	211.2	3.52	
3	Block 3	25.74	210.9	3.52	
4	Block 4	25.69	214.5	3.58	
5	Block 5	24.23	212.8	3.55	
6	Block 6	26.37	211.3	3.52	
7	Block 7	26.85	213.7	3.56	
8	Block 8	25.41	212.2	3.54	

* Information is furnished by the Customer/Representative.

Note:

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- Any Query regarding the report must be reported within 30 days from the date of testing.

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Technical Manager

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Job No: CTCE/BBMP/KGHG/W.No.15/CC Solid Block/2017-18 12.03.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore
* Agency	: **Mr. K.G. Honne Gowda** #1279, 9th Main, 2nd Stage, Nagapura Road, Bangalore.
* Name of Work	: Construction of public toilet near NH 1st main Kempegowda Nagara Strom Water Drain in Ward No.15 T. Dasarahalli Zone, BBMP, Bangalore.
* Reference	: EE/DD/WO/120/2016-17 Dated : 28.01.2017
Technical Reference	: IS: 2185 (Part-1) - 2005 (RA-2010)
Size of Blocks	: 400mm x 100mm x 200mm
Cross Sectional Area	: 40000 mm^2
No. of Blocks Tested	: 08
Sample Received on	: 08.03.2018
Date of Testing	: 12.03.2018

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS: 2185 (Part-1) - 2005 (RA-2010)
1	Block 1	18.62	140.7	3.52	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	17.45	142.3	3.56	
3	Block 3	17.23	141.8	3.55	
4	Block 4	18.93	142.8	3.57	
5	Block 5	17.56	143.2	3.58	
6	Block 6	18.74	140.9	3.52	
7	Block 7	18.23	141.7	3.54	
8	Block 8	17.82	142.6	3.57	

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Ref No: CTCE/BBMP/KGHG/W.No.15/CSR-03/586c/Cube/2018-19 14.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.
* Agency	: **Mr. K.G. Honne Gowda** #1279, 9th Main, 2nd Stage, Nagapura Road, Bangalore.
* Name of the work	: Construction of public toilet near NH 1st main Kempegowda Nagara Stream Water Drain in Ward No.15 T. Dasarahalli Zone, BBMP, Bangalore.
* Reference	: EE/DD/WO/120/2016-17 Dated : 28.01.2017
* Sample ID	: Cement Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 14.05.2018

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.04.2018	14.05.2018	8.152	494.7	21.99
2	16.04.2018	14.05.2018	8.269	506.2	22.50
3	16.04.2018	14.05.2018	8.374	517.3	22.99

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Job No: CTCE/BBMP/KGH(G)/W.No.15/CSR-03/586c/SAND-Gradation/2018-19 25.04.2018

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore
* Agency	:	**Mr. K.G. Honne Gowda** #1279, 9th Main, 2nd Stage, Nagapura Road, Bangalore.
* Name of Work	:	Construction of public toilet near NH 1st main Kempegowda Nagara Storm Water Drain in Ward No.15 T. Dasarahalli Zone, BBMP, Bangalore.
*Reference	:	EE/DD/WO/120/2016-17 Dated : 28.01.2017
*Sample ID	:	Fine Aggregates (Sand Plastering)
Technical Reference	:	IS : 1542 - 1992 (RA-2014)
Sample Received on	:	23.04.2018
Date of Testing	:	25.04.2018

Total Wt. of Aggregates in gms **1000**

Is Sieved Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS : 1542 - 1992 (RA-2014) Clause 5.1
10	100	100
4.75	97.40	95-100
2.36	96.20	95-100
1.18	92.90	90-100
600 Micron	86.50	80-100
300 Micron	43.50	20-65
150 Micron	9.00	0-15

Information is furnished by the Customer/Representative

Civil-Tech Consultants & Engineers Bangalore

Remarks : The tested sample satisfies requirement.

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